

HW
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Force

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- The effects of force are :-
 - Force can make a moving body move faster.
 - Force can slow down a moving body
 - Force can change the direction of motion of a moving body.
 - Force can change shape or size of a body.
 - Force can stop a body originally at rest.
 - Force can stop a moving body.

• Contact Force	Non-Contact Force
* Force acting on a body by making an actual contact is called a contact force.	* Non-Contact force on a body acts by not making any contact.
* Ex - Push, Pull, Muscular, Tension and normal force	Ex - Gravitational, magnetic, electrostatic force

- Normal force is a contact force that is perpendicular to the surface. When a body is placed on the surface the force of reaction and gravitational force are in same amount, ^{is called} normal force.

Mass	Weight
<ul style="list-style-type: none"> * Mass is measurement of how much force is required to change the path of an object. * It depends on no of atoms present in the object. 	<p>Weight is the amount of gravitational force acting on an object.</p> <p>It depends on the gravitational force acting on the object.</p>

- The force which opposes when an object rolls on the surface is called rolling friction. It is less than sliding friction and static friction. Ball bearings can reduce the static friction and increase rolling friction. Ex - Ball bearings used in vehicles, trolleys, etc.